

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

12/21/2011

Elle Rackemann
Assistant District Attorney, Suffolk County

Dear ADA Rackemann,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED] Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Della Saunders.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Della Saunders was the custodial chemist and performed the preliminary testing and net weight for this sample. Annie Dookhan was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan
Chemist
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6622

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

- *Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.
- *Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.
- *Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.
- *Oversee the Quality Control/Quality Assurance program for the Drug Lab.
- *Maintenance and repairs of all analytical instruments.
- *Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
- *Qualified as an expert witness in Massachusetts Courts and U.S. District Court.
- *Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
- *Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.
- *Notary Public.

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

- *Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department for the Food and Drug Administration.
- *Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.
- *Writing, revising and reviewing Standard Operating Procedures (SOPs).
- *Trained and supervised new chemists and interns for the department.
- *Routine QC testing of products for the FDA.
- *Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
- *Calibration, preventive maintenance, QC and QA of analytical instrumentation.
- *Complete testing of chemicals for Vendor Validation Project for the FDA.
- *Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP training with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS trainings with Agilent Technologies and Restek.

HPLC and LC/MS/MS trainings with Waters Cooperation.

FTIR training with Spectros.

TOC training with MBL and Sievers.

Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Della Saunders

Education:

Boston University Boston, MA. Bachelors of Arts in Chemistry 1982

Experience:

1985-present: Currently Chemist III Massachusetts Department of Public Health Drug Analysis Laboratory at State Laboratory Institute Boston, MA. Responsible for analyzing unknown substances submitted by Massachusetts law enforcement agencies; operating, maintaining, and interpreting data from analytical equipment (analytical balance, microscope, gas chromatogram, ultraviolet spectrometer, infrared spectrometer, gas chromatogram/mass spectrometer); training junior level chemists; providing expert testimony to local, state, and federal courts in the Commonwealth of Massachusetts.

1984-1985: Laboratory Technician in the Media Laboratory at State Laboratory Institute Boston, MA. Responsible for making chemical reagents and media plates; operating and maintaining laboratory equipment (autoclave, pH meter, ultra-violet hood), and collecting safety data for laboratory protocols.

Training:

1985: Six week training with Senior Staff at Massachusetts Department of Public Health (MDPH) Drug Analysis Laboratory Boston, MA. Appointed Assistant Analyst MDPH

1987: One week training course in drug analysis given by the Federal Drug Enforcement Agency (DEA) McLean, VA.

1992: Training in Gas Chromatograph/Mass Spectroscopy (GC/MS) Hewlett Packard (Agilent)

1996: Training in Fourier Transform Infra-Red Spectroscopy ETA (Analect)

2001: Expert Witness Workshop National Laboratory Training network Quality Assurance/Quality Control Training (MDPH)

2002: Techniques of Supervision Training (MDPH)

1999: Notary Public Commonwealth of Massachusetts



DRUG RECEIPT

CC # [REDACTED]
BOOK # 66
PAGE # 58
DESTRUCTION # _____

District/Unit D-4 DCU
Name & Rank of Arresting Officer Sgt. Det. Keenan ID# 10652

DEFENDANT'S NAME	ADDRESS	CITY	STATE
[REDACTED]	[REDACTED]	<u>Boston</u>	<u>MA</u>
[REDACTED]	[REDACTED]	<u>Boston</u>	<u>MA</u>

DESCRIPTION OF ITEMS SUBMITTED	GROSS QUANTITY	LAB USE ONLY	
		GROSS WEIGHT	ANALYSIS NUMBER
<u>White rock (crack cocaine)</u>	<u>1 Loose Rock</u>	<u>1.47g</u>	[REDACTED]

To be completed by ECU personnel only

Name and Rank of Submitting Officer [Signature] ID# 11292
Received by [Signature] Date 10/27/10
ECU Control # _____

No. [REDACTED] Date Analyzed: 01-19-11
City: Boston D.C.U. Police Dept.
Officer: P.O. KEITH BUTLER
Def: [REDACTED]

Amount: Subst: SUB *lose*

No. Cont: 1 Cont: pb

Date Rec'd: 10/27/2010

No. Analyzed:

Gross Wt.: 1.47

Net Weight: 0.08g

Tests: 7 *PSB*

2ASD

(K) Prelim: cocaine

Findings: cocaine

DRUG POWDER ANALYSIS FORM

SAMPLE #



AGENCY

Boston DLU

ANALYST

ASD

No. of samples tested: _____

Balance VOK 11/14/11
Mettler 1117461624

Evidence Wt.

1.4818g

PHYSICAL DESCRIPTION:

off-white chunky substance contained
loose in one clear sealed, initialed plastic bag

Gross Wt (): _____

Gross Wt (): 1.4818g

Pkg. Wt: 1.3980g

Net Wt: 0.0838g

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate (H₂O) +
Marquis —
Froehde's —
Mecke's —

Microcrystalline Tests

Gold
Chloride +
TLTA (H₂O) +

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS

cocaine

DATE

1/14/10

GC/MS CONFIRMATORY TEST

RESULTS

cocaine

MS
OPERATOR

ASD

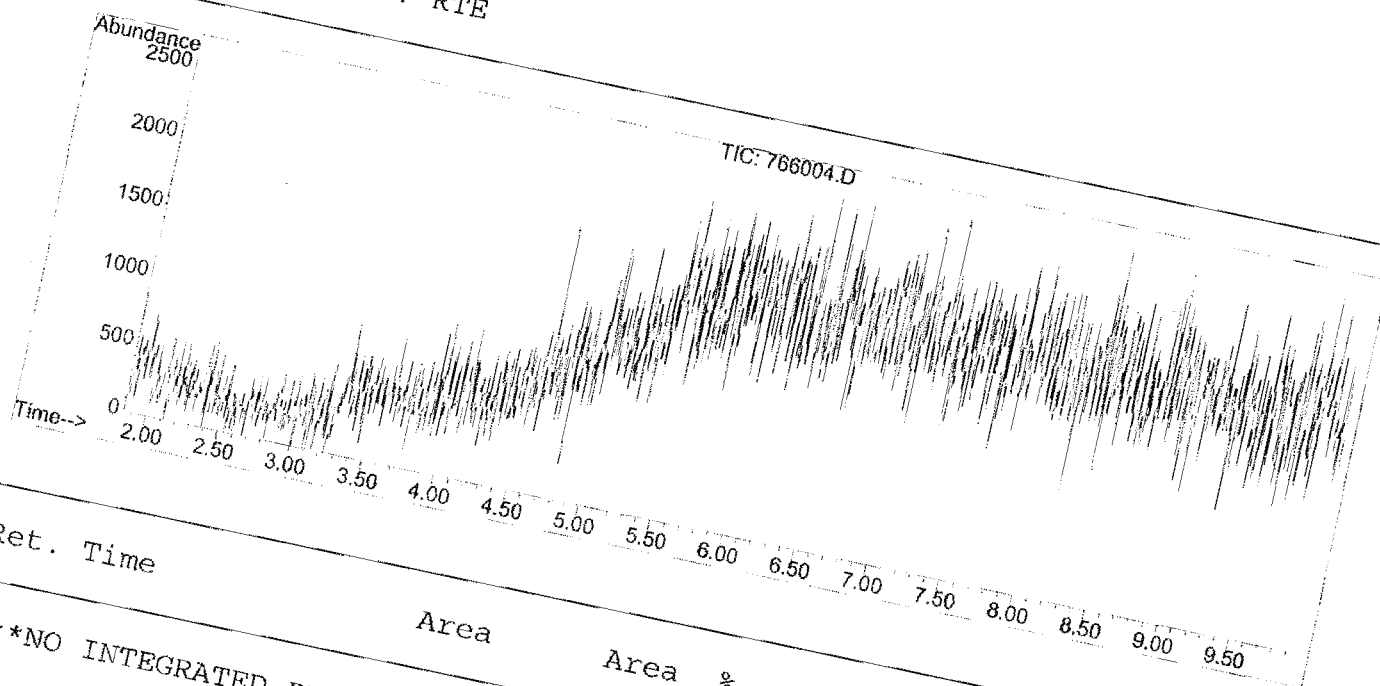
DATE

1/19/11

Area Percent / Library Search Report

Information from Data File:
 File Name : D:\SYSTEM4\01_18_11\766004.D
 Operator : ASD
 Date Acquired : 18 Jan 2011 12:39
 Sample Name : BLANK
 Submitted by :
 Vial Number : 1
 AcquisitionMeth: DRUGS
 Integrator : RTE

✓ ASD
12-21-11



Ret. Time	Area	Area %	Ratio %
NO INTEGRATED PEAKS			

766004.D

Tue Dec 20 10:47:01 2011

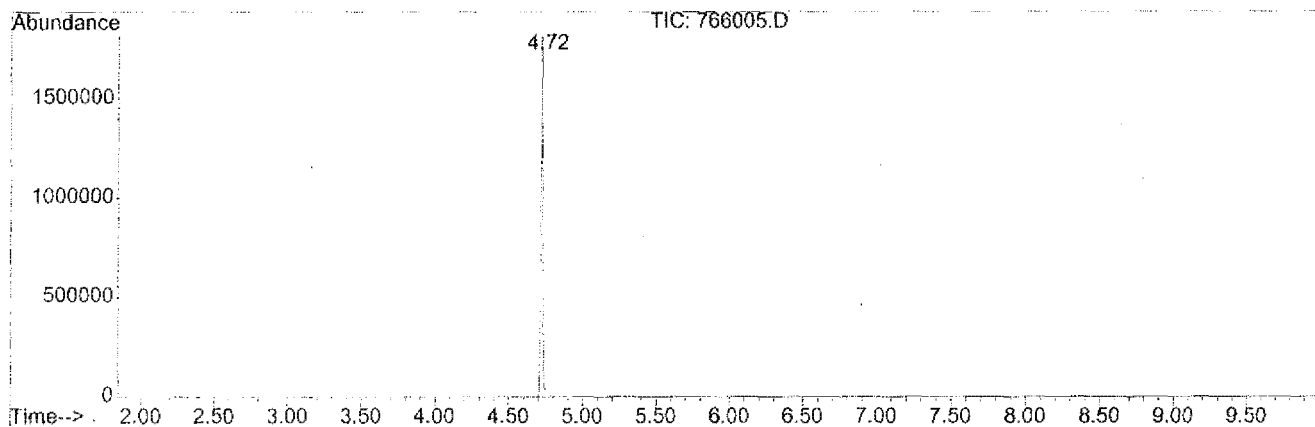
Page 1

Folk_OIG_PRR_045288

Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\01_18_11\766005.D
 Operator : ASD
 Date Acquired : 18 Jan 2011 12:53
 Sample Name : COCAINE STD
 Submitted by :
 Vial Number : 5
 AcquisitionMeth: DRUGS
 Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.721	1664971	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

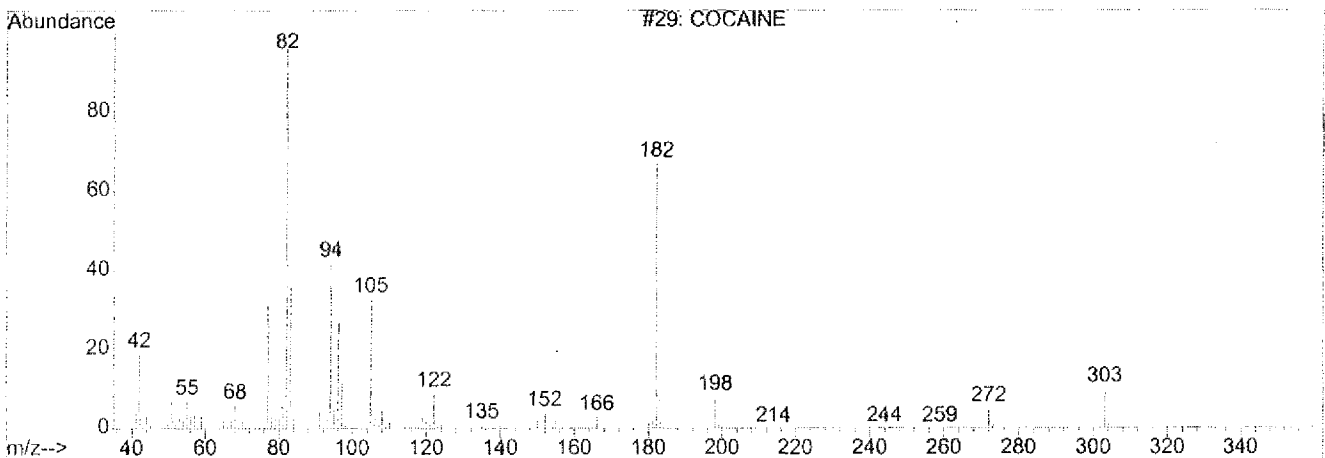
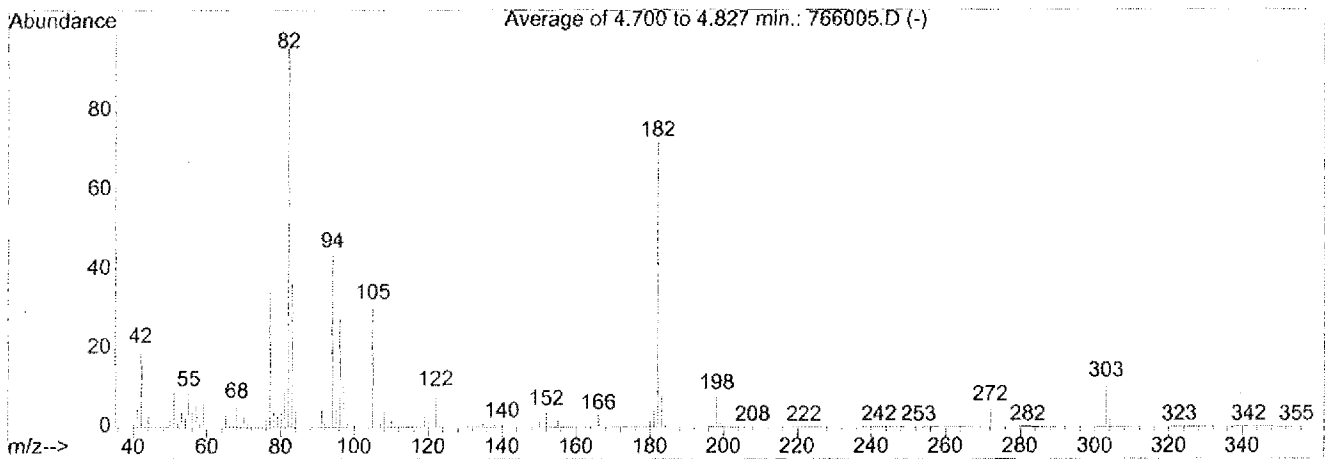
```

File Name       : D:\SYSTEM4\01_18_11\766005.D
Operator        : ASD
Date Acquired   : 18 Jan 2011  12:53
Sample Name     : COCAINE STD
Submitted by    :
Vial Number     : 5
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	4.72	C:\DATABASE\SLI.L COCAINE	000050-36-2	99

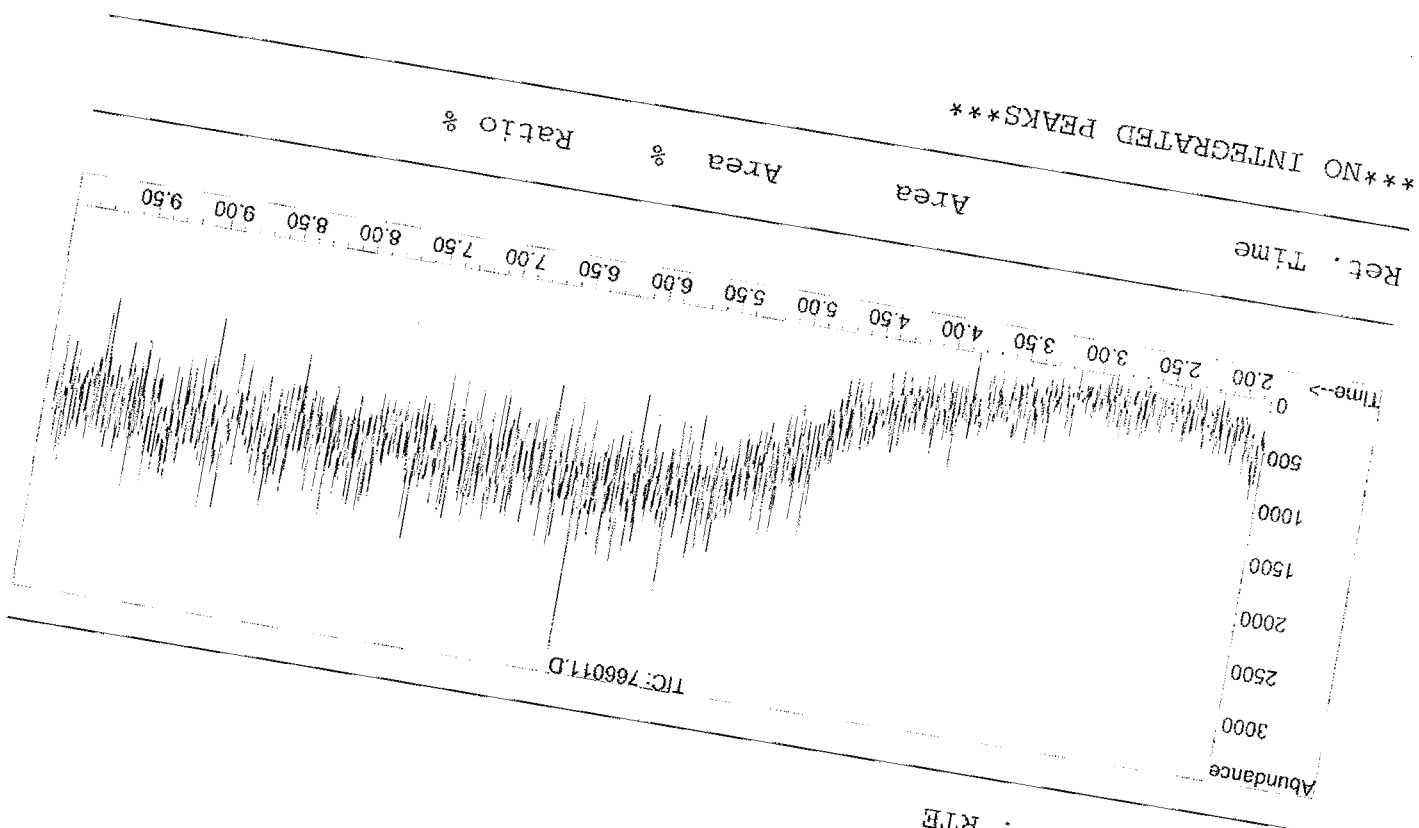


766011.D

Tue Dec 20 10:47:13 2011

Page 1

Folk_OIG_PRR_045291



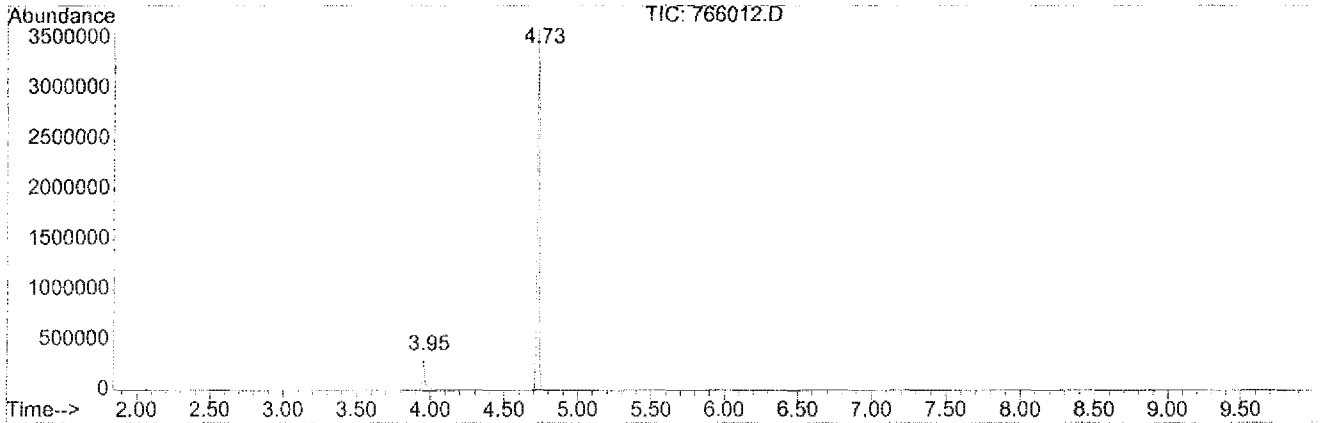
Information from Data File:
File Name : D:\SYSTEM4\01_18_11\766011.D
Operator : ASD
Date Acquired : 18 Jan 2011 14:17
Sample Name : BLANK
Submitted by : DCS
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE

Area Percent / Library Search Report

Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\01_18_11\766012.D
Operator : ASD
Date Acquired : 18 Jan 2011 14:31
Sample Name : XXXXXXXXXX
Submitted by : DCS
Vial Number : 12
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.948	460436	10.81	12.12
4.726	3800204	89.19	100.00

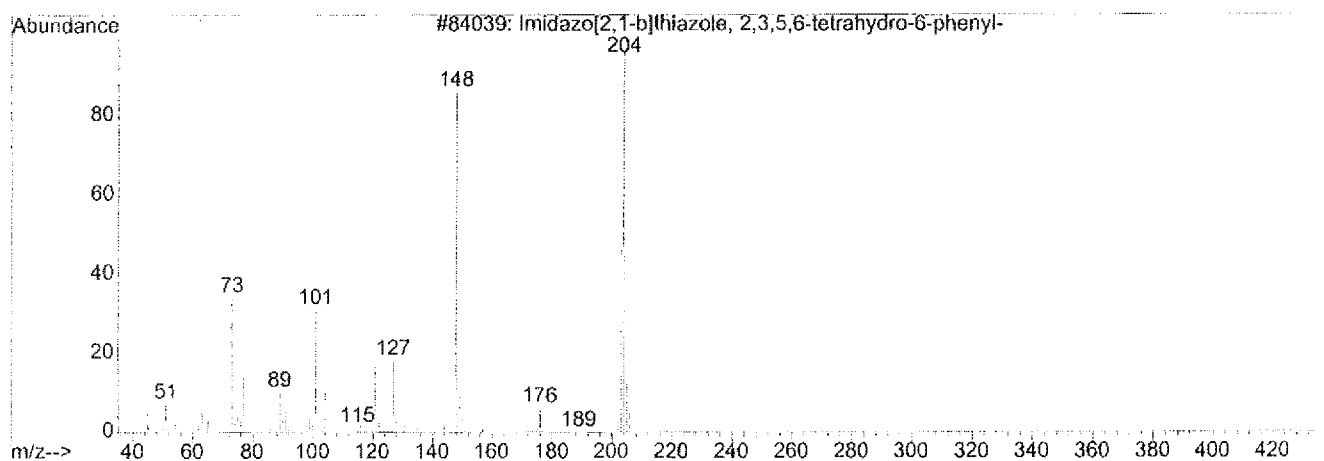
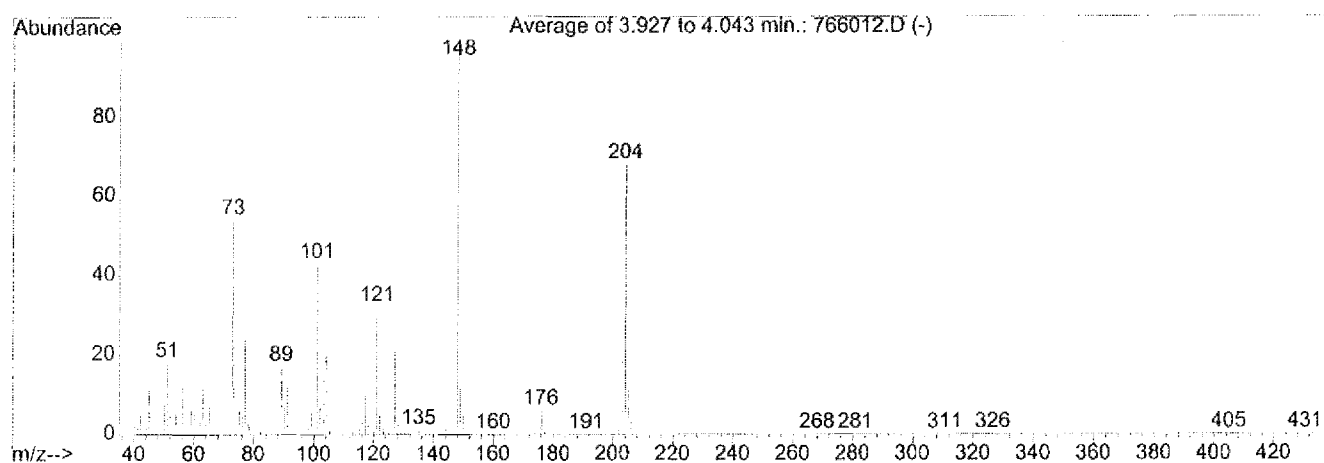
Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\01_18_11\766012.D
 Operator : ASD
 Date Acquired : 18 Jan 2011 14:31
 Sample Name : XXXXXXXXXX
 Submitted by : DCS
 Vial Number : 12
 AcquisitionMeth: DRUGS
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	3.95	C:\DATABASE\NIST98.L		
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	98
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	98
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	97



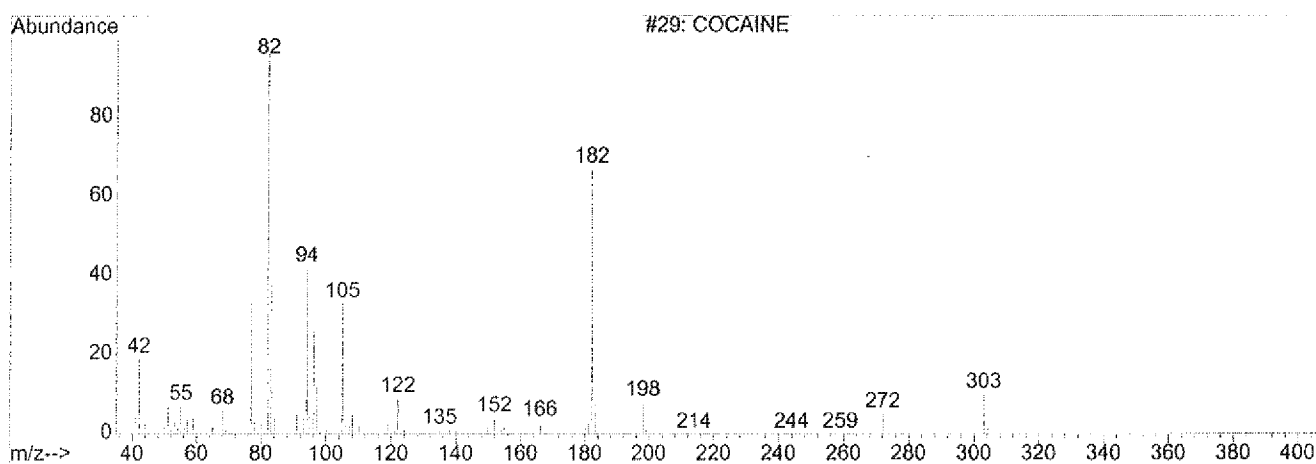
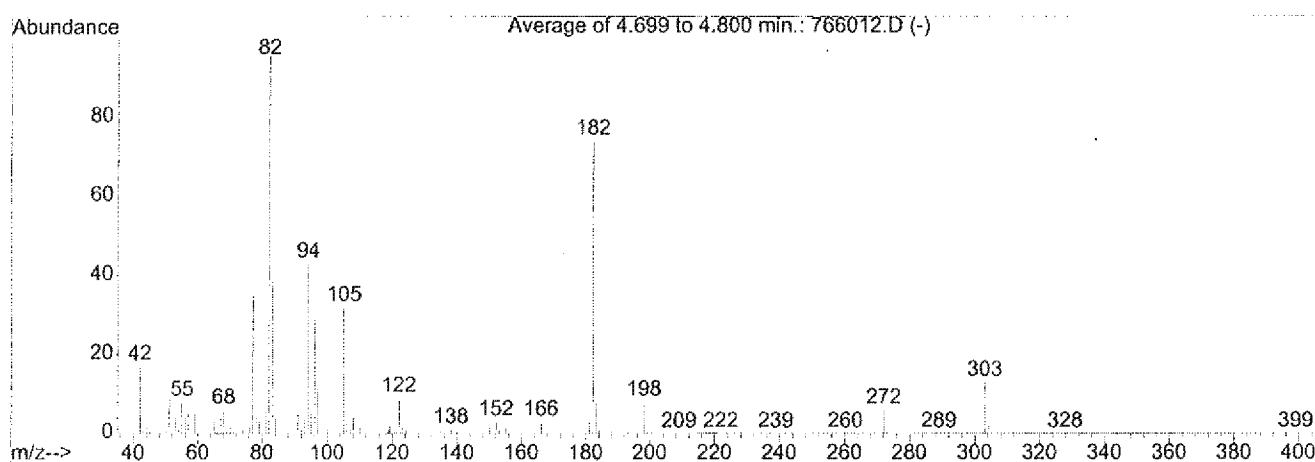
Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\01_18_11\766012.D
 Operator : ASD
 Date Acquired : 18 Jan 2011 14:31
 Sample Name : XXXXXXXXXX
 Submitted by : DCS
 Vial Number : 12
 AcquisitionMeth: DRUGS
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90
 C:\DATABASE\PMW_TOX2.L Minimum Quality: 90
 C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
2	4.73	C:\DATABASE\SLI.L COCAINE	000050-36-2	99

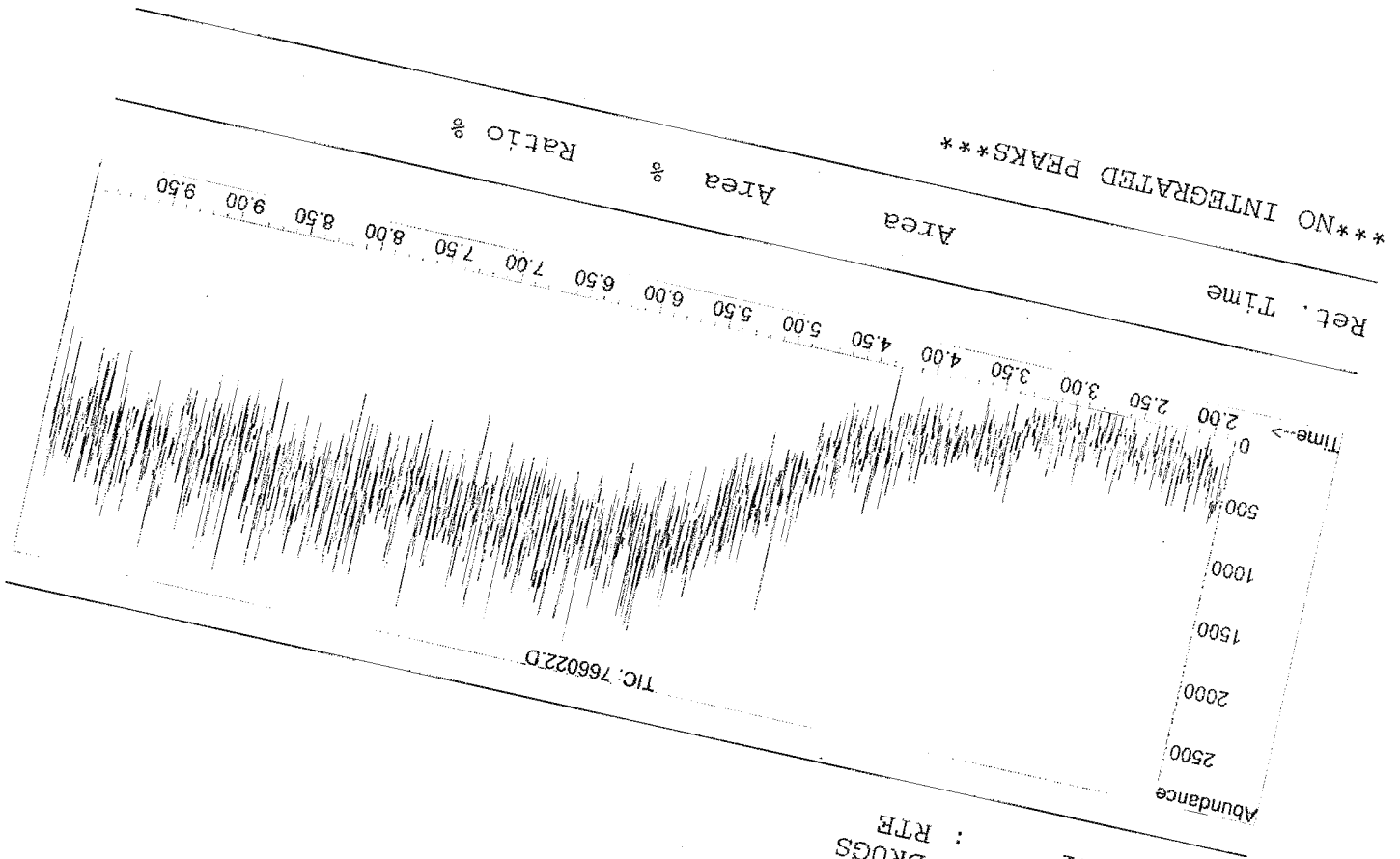


766022.D

Tue Dec 20 10:47:27 2011

Page 1

Folk_OIG_PRR_045295



Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\01_18_11\766022.D

Operator : ASD

Date Acquired : 18 Jan 2011 16:50

Sample Name : BLANK

Submitted by : DCS

Vial Number : 1

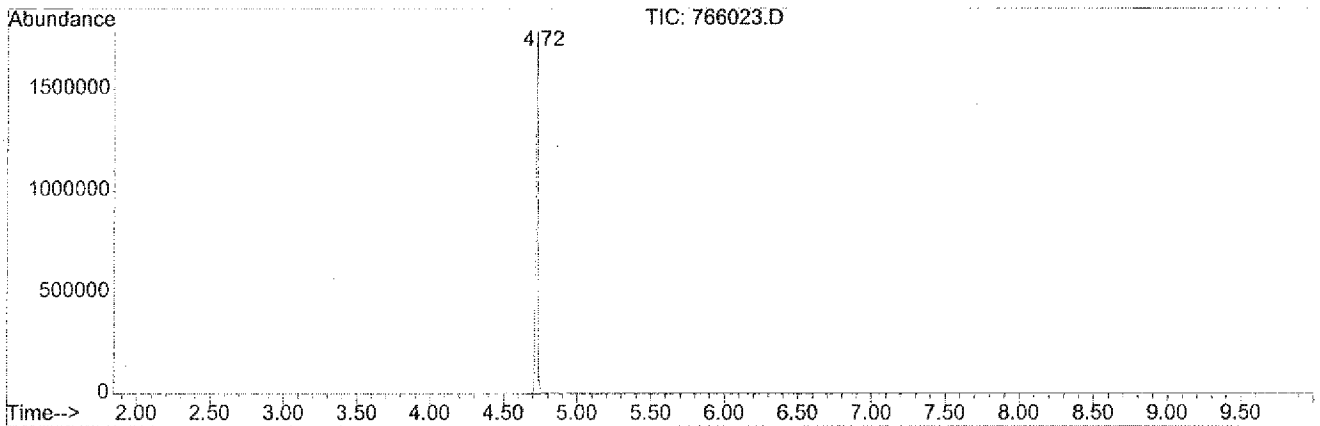
AcquisitionMeth: DRUGS

Integrator : RTE

Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\01_18_11\766023.D
Operator : ASD
Date Acquired : 18 Jan 2011 17:03
Sample Name : COCAINE STD
Submitted by : DCS
Vial Number : 23
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.723	1716684	100.00	100.00

Area Percent / Library Search Report

Information from Data File:

```

File Name       : D:\SYSTEM4\01_18_11\766023.D
Operator        : ASD
Date Acquired   : 18 Jan 2011  17:03
Sample Name     : COCAINE STD
Submitted by    : DCS
Vial Number     : 23
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries:  C:\DATABASE\SLI.L           Minimum Quality: 90
                   C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                   C:\DATABASE\NIST98.L
  
```

PK#	RT	Library/ID	CAS#	Qual
1	4.72	C:\DATABASE\SLI.L COCAINE	000050-36-2	99

